

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **06-216901**
(43)Date of publication of application : **05.08.1994**

(51)Int.Cl.

H04L 12/28

H04B 7/204

(21)Application number : **05-004331**

(71)Applicant : **NEC CORP**

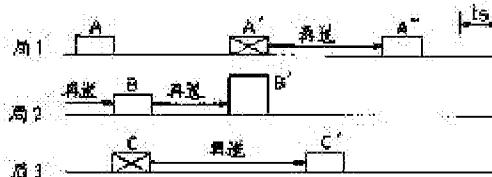
(22)Date of filing : **13.01.1993**

(72)Inventor : **SAKAI TOSHIKI**

(54) SATELLITE COMMUNICATION SYSTEM

(57)Abstract:

PURPOSE: To prevent the degradation of throughput due to repeated resending of a packet by raising the transmission power in each slave station at the time when the frequency in resending of data transmitted to a master station exceeds a prescribed threshold and prefentially receiving reception data having a higher signal intensity by the master station.



CONSTITUTION: Slave stations 1, 2, and 3 receive the occurrence of data to transmit data synchronously with each other so that a transmission packet ts is inserted. Though packets B and C collide with each other and are resent after the lapse of an arbitrary time, the packet B is sent as a packet B' after the rise of the transmission power when the frequency in resending of the packet B exceeds a preliminarily determined threshold. This packet B' collides with a packet A' but is correctly received by the master station since signal intensity is large. Packets A' and C' are resent as packets A'' and C'' after the lapse of the arbitrary waiting time and are correctly received without collision.

master station since signal intensity is large. Packets A' and C are resent as packets A'' and C'' after the lapse of the arbitrary waiting time and are correctly received without collision.